WO 2005/046595 PCT/US2004/037090

FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

COMPLEX C3

COMPLEX C4

FIG. 7

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STRUCTURE A7

COMPLEX C6

FIG. 8

FIG. 9

COMPLEX C7

FIG. 10

COMPLEX C8

STRUCTURE A10

FIG. 11

COMPLEX C10

FIG. 12

Ar1 and Ar2:

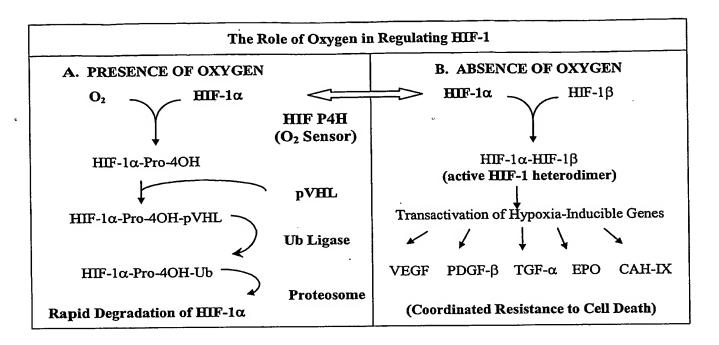


FIG. 14

HEK 293 Cells

Lanes	1	2	3	4	5	6	7	8	Normoxia
DBM (μM)	0	100	100	100	100	0	0	0	
Zn^{2+} (μM)	0	0	25	50	100	25	50	100	
Zn ²⁺ (µM) DBM:Zn ²⁺			4:1	2:1	1:1				

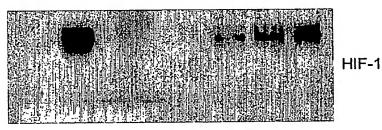


FIG. 15

A. HT144 Cells	Lanes	1	2	3	4	5	Hypoxia
&	DBM (μM)	0	0	100	100	100	
B. HEK 293 Cells	Zn^{2+} (μ M)	0	100	0	100	0	
	Fe^{3+} (μM)	0	0	0	Ó	25	
	A.						HIF-1α
	В.						HIF-1α

FIG. 16

HEK 293 Cells	Lanes	1	2	3	4	Normoxia
	DBM (μM)	0	100	0	100	
	Zn^{2+} (μM)	0	0	100	100	
						HIF-1α β-Actin

FIG. 17

HEK 293 Cells	Lanes	1	2	3	4	5	6	7	8	9	Normoxia
	DBM (μM)	0	100	0	100	0	0	100	100	100	
	Zn^{2+} (μM)	0	0	50	50	0	50	0	50	50	
	MG-132 (μM)	0	0	0	0	10	10	10	0	10	
			Mary 1		13 147			1 (1)			,
							114	泛曲			HIF-1α
											1111-100
								8			
				T. Car	Film W	il bereitisch	C THE SAME		(2) - (3) S		

FIG. 18

RCC-4 Cells	Lanes	1	2	3	4	5	Normoxia
	DBM (μM)	0	Q.	0	100	100	
	Zn^{2+} (μM)	0	0	50	50	50	
	MG-132 (μM)	0	10	0	0	10	
							HIF-1α

FIG. 19

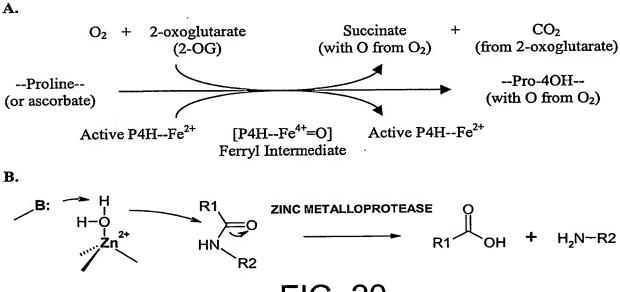


FIG. 20

C.

HIF

10/10

E.

2-OXOGLUTARATE (2-OG)

DBM (diketo form) A.